



Safety Data Sheet

1. Product and Company Identification

Material Name: C-200	Postal Code: NOB 1S0
Material Description: General Purpose Cover Coat Adhesive	Emergency Phone Number: 1-800-424-9300
Manufacturer: Polycorp Ltd.	Information Number: 519-846-2075
Address: 33 York Street Elora, Ontario, Canada	Website: www.poly-corp.com

2. Hazard(s) Identification

Physical State	Liquid
Odor	Solvent
Emergency overview	<p>Warning</p> <p>FLAMMABLE LIQUID AND VAPOR. CAUSES RESPIRATORY TRACT, EYE AND SKIN IRRITATION. MAY BE HARMFUL IF INHALED OR SWALLOWED. MAY CAUSE TARGET ORGAN DAMAGE, BASED ON ANIMAL DATA. SUSPECT CANCER HAZARD. POSSIBLE DEVELOPMENTAL HAZARD.</p> <p>Flammable liquid. May be harmful if inhaled or swallowed. Irritating to eyes, respiratory system and skin. Keep away from heat, sparks and flame. Avoid exposure – obtain special instructions before use. Do not breathe vapor or mist. Do not ingest. Do not get in eyes. Avoid contact with skin and clothing. May cause target organ damage, based on animal data. Contains material which may cause cancer. Risk of cancer depends on duration and level of exposure. Contains material which may cause developmental abnormalities, based on animal data. Avoid exposure during pregnancy. Use only with adequate ventilation. Keep container tightly closed and sealed until ready for use. Wash thoroughly after handling.</p>
Routes of entry	Dermal contact. Eye contact. Inhalation. Ingestion.

Potential Acute Health Effects

Inhalation	May be harmful if inhaled. Irritating to respiratory system.
Ingestion	Harmful if swallowed.
Skin	Harmful in contact with skin. Irritating to skin.
Eyes	Irritating to eyes.

Potential Chronic Health Effects

Chronic effects	May cause target organ damage, based on animal data.
Carcinogenicity	Contains material which may cause cancer, based on animal data. Risk of cancer depends on duration and level of exposure.
Mutagenicity	No known significant effects or critical hazards.



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Teratogenicity	No known significant effects or critical hazards.
Developmental effects	Contains material which may cause developmental abnormalities, based on animal data.
Fertility effects	No known significant effects or critical hazards.
Target Organs	May cause damage to the following organs: blood, kidneys, the nervous system, liver, brain, gastrointestinal tract, central nervous system (CNS).

Over-Exposure Signs/Symptoms

Inhalation	Adverse symptoms may include the following: respiratory tract irritation, coughing
Ingestion	No specific data
Skin	Adverse symptoms may include the following: irritation, redness
Eyes	Adverse symptoms may include the following: pain or irritation, watering, redness
Medical conditions aggravated by over-exposure	Pre-existing disorders involving any target organs mentioned in this MSDS as being at risk may be aggravated by over-exposure to this product.

3. Composition / Information on Ingredients

Name	CAS-No.	Weight Percent
Methyl Isobutyl Ketone	108-10-1	30 - 60
Xylene	1330-20-7	7 - 13
Perchloroethylene	127-18-4	10 - 30
Ethyl Benzene	100-41-4	10 - 30
benzene, 1,4-dinitroso-, homopolymer	90003-34-3	1 - 5
Carbon Black	1333-86-4	1 - 5
lead oxide phosphonate	12141-20-7	1 - 5

There are no additional ingredients present which, within the current knowledge of the supplier and in the concentrations applicable, are classified as hazardous to health or the environment and hence require reporting in this section.

4. First Aid Measures

Eye Contact	Check for and remove any contact lenses. Immediately flush eyes with plenty of water for at least 15 minutes, occasionally lifting the upper and lower eyelids. Get medical attention immediately.
Skin Contact	In case of contact, immediately flush skin with plenty of water for at least 15 minutes while removing contaminated clothing and shoes. Wash clothing before reuse. Clean shoes thoroughly before reuse. Get medical attention immediately.
Inhalation	Move exposed person to fresh air. If not breathing, if breathing is irregular or if

respiratory arrest occurs, provide artificial respiration or oxygen by trained personnel. Loosen tight clothing such as a collar, tie, belt or waistband. Get medical attention immediately.

Ingestion

Wash out mouth with water. Do not induce vomiting unless directed to do so by medical personnel. Never give anything by mouth to an unconscious person. Get medical attention immediately.

Protection of First-aiders

No action shall be taken involving any personal risk or without suitable training. If it is suspected that fumes are still present, the rescuer should wear an appropriate mask or self-contained breathing apparatus. It may be dangerous to the person providing aid to give mouth-to-mouth resuscitation. Wash contaminated clothing thoroughly with water before removing it, or wear gloves.

Note to Physician

No specific treatment. Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled.

5. Fire Fighting Measures

Flammability of the product

Flammable liquid. In a fire or if heated, a pressure increase will occur and the container may burst, with the risk of a subsequent explosion. The vapor/gas is heavier than air and will spread along the ground. Vapors may accumulate in low or confined areas or travel a considerable distance to a source of ignition and flash back. Runoff to sewer may create fire or explosion hazard.

Flash point

Closed cup: 18°C (64.4°F) [Setaflash.

Extinguishing media**Suitable**

Use dry chemical, CO₂, water spray (fog) or foam.

Not suitable

Do not use water jet.

Special exposure hazards

Promptly isolate the scene by removing all persons from the vicinity of the incident if there is a fire. No action shall be taken involving any personal risk or without suitable training. Move containers from fire area if this can be done without risk. Use water spray to keep fire-exposed containers cool.

Hazardous thermal decomposition products

Decomposition products may include the following materials: carbon dioxide carbon monoxide halogenated compounds



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Special protective equipment for fire-fighters Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode.

6. Accidental Release Measures

Personal precautions No action shall be taken involving any personal risk or without suitable training. Evacuate surrounding areas. Keep unnecessary and unprotected personnel from entering. Do not touch or walk through spilled material. Shut off all ignition sources. No flares, smoking or flames in hazard area. Avoid breathing vapor or mist. Provide adequate ventilation. Wear appropriate respirator when ventilation is inadequate. Put on appropriate personal protective equipment (see section 8).

Environmental precautions Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil or air).

Methods for cleaning up

Spill or leak Stop leak if without risk. Move containers from spill area. Dilute with water and mop up if water-soluble or absorb with an inert dry material and place in an appropriate waste disposal container. Use spark-proof tools and explosion-proof equipment. Dispose of via a licensed waste disposal contractor.

7. Handling and Storage

Handling Put on appropriate personal protective equipment (see section 8). Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and processed. Workers should wash hands and face before eating, drinking and smoking. Avoid exposure during pregnancy. Do not get in eyes or on skin or clothing. Do not ingest. Avoid breathing vapor or mist. Use only with adequate ventilation. Wear appropriate respirator when ventilation is inadequate. Do not enter storage areas and confined spaces unless adequately ventilated. Keep in the original container or an approved alternative made from a compatible material, kept tightly closed when not in use. Store and use away from heat, sparks, open flame or any other ignition source. Use explosion-proof electrical (ventilating, lighting and material handling) equipment. Use non-sparking tools. Take precautionary measures against electrostatic discharges. To avoid fire or explosion, dissipate static electricity during transfer by grounding and bonding containers and equipment before transferring material. Empty containers retain product residue and can be hazardous. Do not reuse container.

Storage

Store in accordance with local regulations. Store in a segregated and approved area. Store in original container protected from direct sunlight in a dry, cool and well-ventilated area, away from incompatible materials and food and drink. Eliminate all ignition sources. Separate from oxidizing materials. Keep container tightly closed and sealed until ready for use. Containers that have been opened must be carefully resealed and kept upright to prevent leakage. Do not store in unlabeled containers. Use appropriate containment to avoid environmental contamination.

8. Exposure Controls / Personal Protection**Product Name****Exposure Limits****xylene (o-,m-,p- isomers)**

ACGIH TLV (United States).
TWA: 100 ppm 8 hour(s).
STEL: 150 ppm 15 minute(s)

perchloroethylene

ACGIH TLV (United States).
TWA: 25 ppm 8 hour(s).
STEL: 100 ppm 15 minute(s)

ethyl benzene

ACGIH TLV (United States).
TWA: 20 ppm 8 hour(s).

lead oxide phosphonate

ACGIH TLV (United States).
TWA: 0.05 mg/m³ 8 hour(s) Form: as Pb

carbon black

ACGIH TLV (United States).
TWA: 3 mg/m³ 8 hour(s).

Consult local authorities for acceptable exposure limits

Recommended monitoring procedures

If this product contains ingredients with exposure limits, personal, workplace atmosphere or biological monitoring may be required to determine the effectiveness of the ventilation or other control measures and/or the necessity to use respiratory protective equipment.

Engineering measures

Use only with adequate ventilation. Use process enclosures, local exhaust ventilation or other engineering controls to keep worker exposure to airborne contaminants below any recommended or statutory limits. The engineering controls also need to keep gas, vapor or dust concentrations below any lower explosive limits. Use explosion-proof ventilation equipment.

Hygiene measures

Wash hands, forearms and face thoroughly after handling chemical products, before eating, smoking and using the lavatory and at the end of the working period. Appropriate techniques should be used to remove

potentially contaminated clothing. Wash contaminated clothing before reusing. Ensure that eyewash stations and safety showers are close to the workstation location.

Personal protection

Respiratory

Use a properly fitted, air-purifying or air-fed respirator complying with an approved standard if a risk assessment indicates this is necessary. Respirator selection must be based on known or anticipated exposure levels, the hazards of the product and the safe working limits of the selected respirator.

Hands

Chemical-resistant, impervious gloves complying with an approved standard should be worn at all times when handling chemical products if a risk assessment indicates this is necessary.

Eyes

Safety eyewear complying with an approved standard should be used when a risk assessment indicates this is necessary to avoid exposure to liquid splashes, mists or dusts. Recommended: splash goggles

Skin

Personal protective equipment for the body should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product. Recommended: lab coat

Environmental exposure controls

Emissions from ventilation or work process equipment should be checked to ensure they comply with the requirements of environmental protection legislation. In some cases, fume scrubbers, filters or engineering modifications to the process equipment will be necessary to reduce emissions to acceptable levels.

9. Physical & Chemical Properties

Physical state	Liquid.
Flash point	Closed cup: 28°C (82.4°F) [Setaflash.]
Flammable limits	Lower: 1%, Upper: 7%
Color	Black.
Odor	Solvent.
Boiling/condensation point	100to 139°C (212to 282.2 °F)
Vapor density	>1 [Air = 1]
Volatility	83.78% (v/v), 75.21% (w/w)
Evaporation rate	>1 (n-butyl acetate = 1)
VOC	706 (g/l).
Solubility	Insoluble in the following materials: cold water.
Density	1.09 g/cm ³

10. Chemical Stability & Reactivity Information



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Stability	The product is stable.
Hazardous polymerization	Under normal conditions of storage and use, hazardous polymerization will not occur.
Conditions to avoid	Avoid all possible sources of ignition (spark or flame). Do not pressurize, cut, weld, braze, solder, drill, grind or expose containers to heat or sources of ignition. Do not allow vapor to accumulate in low or confined areas. Avoid exposure during pregnancy.
Materials to avoid	oxidizing materials, acids, alkalis, moisture
Hazardous decomposition products	Under normal conditions of storage and use, hazardous decomposition products should not be produced.

11. Toxicological Information

<u>Acute Toxicity</u>	<u>Results</u>	<u>Species</u>	<u>Dose</u>	<u>Exposure</u>
xylene (o-,m-,p-isomers)	LD50 Dermal LD50 Oral LC50 Inhalation Vapor	Rabbit Rat Rat	>1700 mg/kg 4300 mg/kg 6350 ppm	- - 4 hours
perchloroethylene	LD50 Dermal LD50 Oral LC50 Inhalation Vapor LC50 Inhalation Vapor	Rabbit Rat Mouse Rat	>3245 mg/kg 2629 mg/kg 5200 ppm 4000 ppm	- - 4 hours 4 hours
ethyl benzene	LD50 Dermal LD50 Oral LC50 Inhalation Vapor	Rabbit Rat Rat	15380 mg/kg 3500 mg/kg 4000 ppm	- - 4 hours
carbon black	LD50 Dermal LD50 Oral	Rabbit Rat	>3000 mg/kg >15400 mg/kg	- -
benzene, 1,4-dinitroso-, homopolymer	LDLo Oral	Rat	1500 mg/kg	-

Conclusion/ Summary: Not available

Classification

	ACGIH	IARC	EPA	NIOSH	NTP	OSHA
xylene (o-,m-,p- isomers)	A4	3	-	-	Possible	-
perchloroethylene	A3	2A	-	-	-	-
ethyl benzene	A3	2B	-	-	-	-



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carbon black	A3	2B	-	-	Possible	-
lead oxide phosphonate	A3	2A	-	-	-	-

12. Ecological Information

Environmental effects: Not available

Aquatic Ecotoxicity

Product/ingredient name	Test	Result	Species	Exposure
xylene (o-,m-,p- isomers)	-	Acute LC50 10 to 100 mg/L	Fish	96 hours
ethyl benzene	-	Acute LC50 150 mg/L	Fish	96 hours

Conclusion/Summary: Not available


13. Disposal Considerations

Waste Disposal The generation of waste should be avoided or minimized wherever possible. Empty containers or liners may retain some product residues. This material and its container must be disposed of in a safe way. Dispose of surplus and non-recyclable products via a licensed waste disposal contractor. Disposal of this product, solutions and any by-products should at all times comply with the requirements of environmental protection and waste disposal legislation and any regional local authority requirements. Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers.

Waste and empty packaging must be disposed of in accordance with federal, provincial, and municipal environmental control regulations.

Refer to Section 7: HANDLING AND STORAGE and Section 8: EXPOSURE CONTROLS/PERSONAL PROTECTION for additional handling information and protection of employees.

14. Transport Information

Regulatory Information	UN Number	Proper shipping name	Classes	PG	Label	Additional Information
TDG Classification	1133	ADHESIVES	3	III		-

15. Regulatory Information



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WHMIS (Canada)

Class B-2: Flammable liquid
Class D-2A: Material causing other toxic effects (Very toxic).
Class D-2B: Material causing other toxic effects (Toxic).
All ingredients are listed or exempted.

Canada inventory

16. Other Information

Additional Information

This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations (CPR) and the MSDS contain all the information required by the CPR.

Other special considerations

No additional remark.

Regulatory Affairs Department : 1 800 665-6553

Notice to reader

To the best of our knowledge, the information contained herein is accurate. However, neither the above-named supplier, nor any of its subsidiaries, assumes any liability whatsoever for the accuracy or completeness of the information contained herein.

Final determination of suitability of any material is the sole responsibility of the user. All materials may present unknown hazards and should be used with caution. Although certain hazards are described herein, we cannot guarantee that these are the only hazards that exist.

March 9, 2016